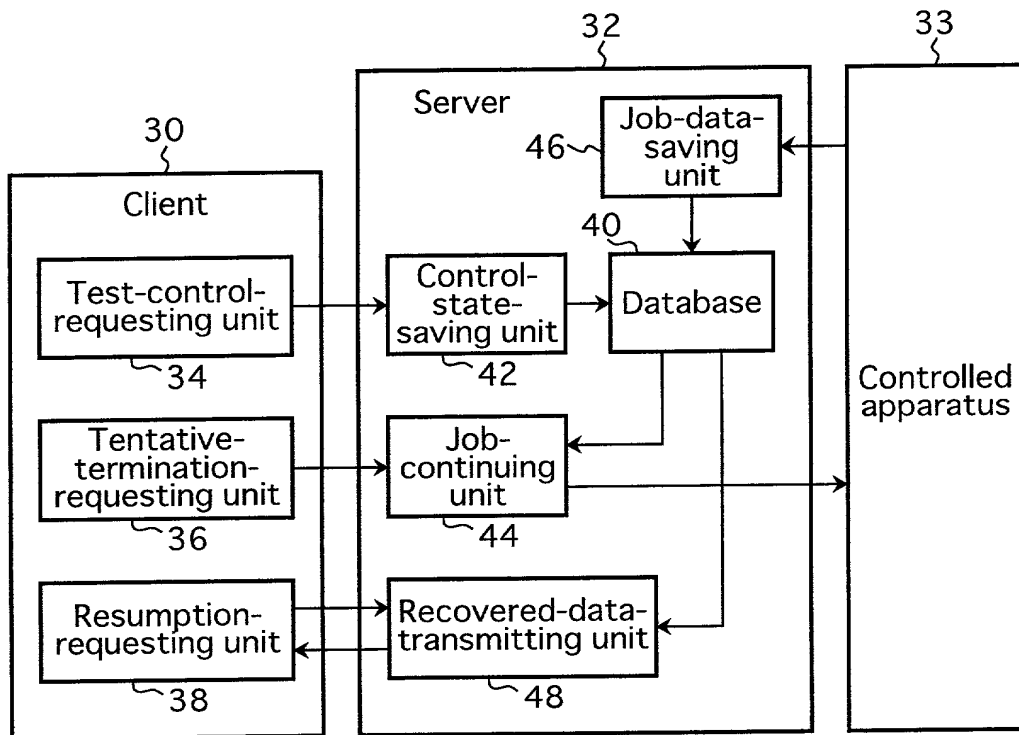
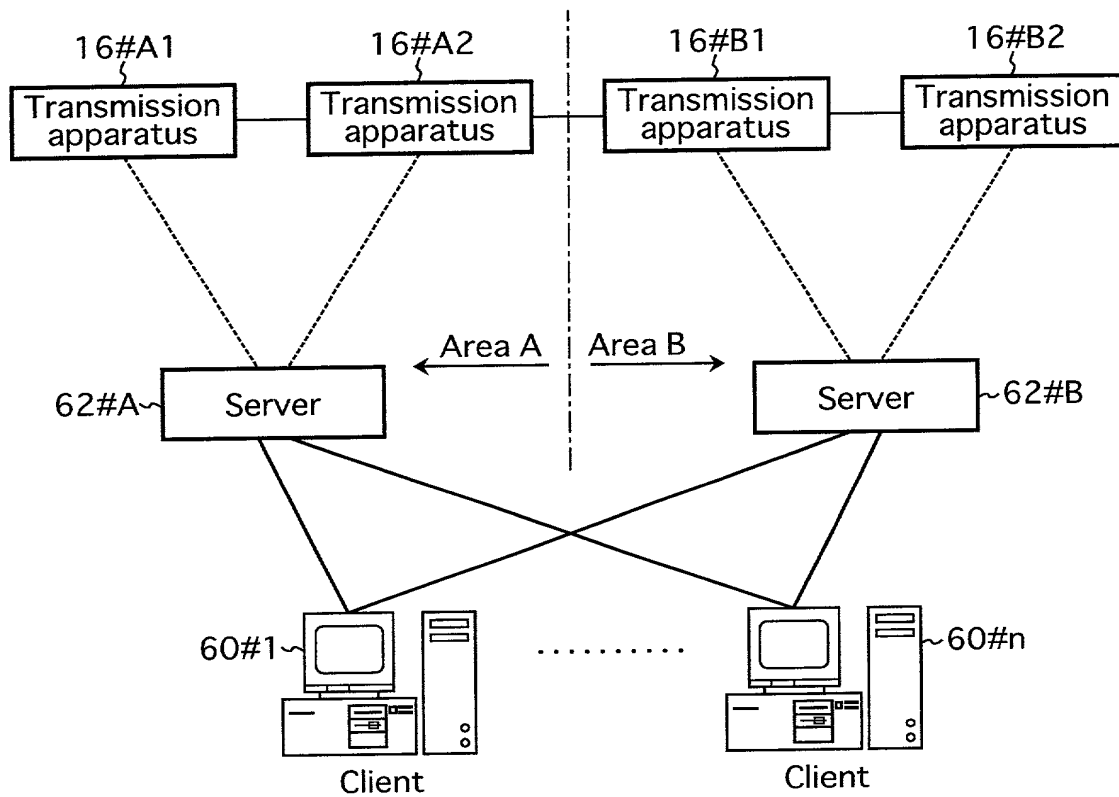


# FIG. 1



# FIG. 2



# FIG. 3

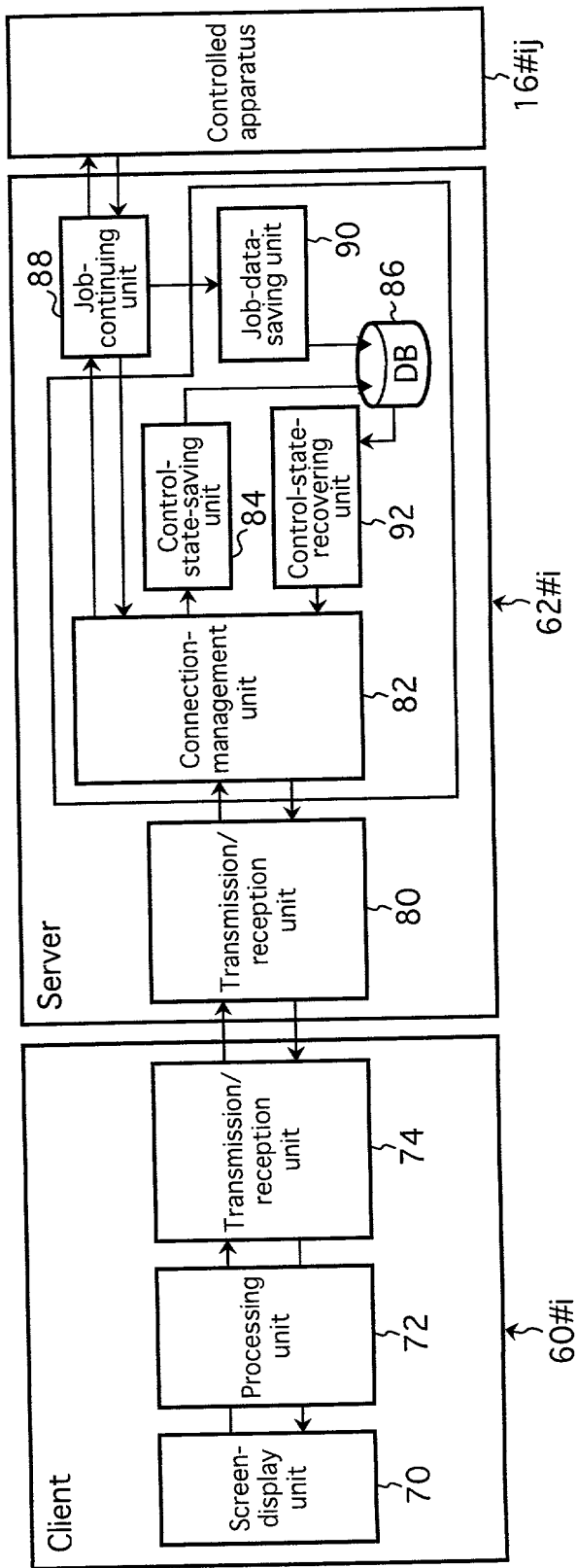
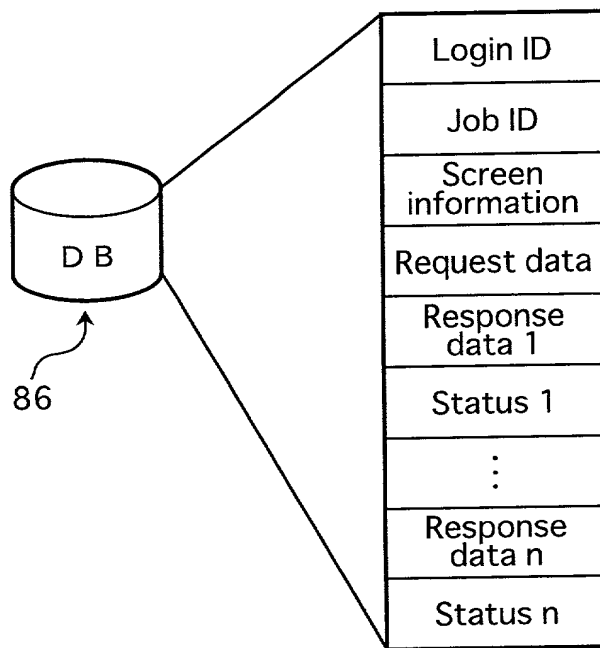
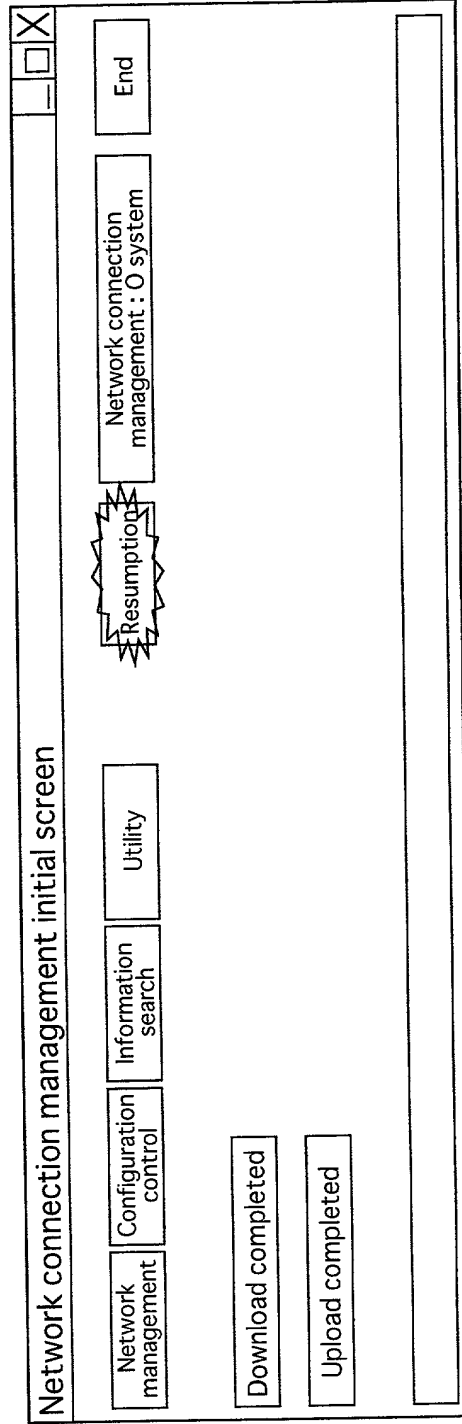


FIG. 4



# FIG. 5



**FIG. 6A**

Network management
Trail-name catalog
Trail deletion
Trail-name change
Trail-accommodation change
Trail-attribute change
Trail-development set

**FIG. 6B**

Configuration control
Operation control
Test control

**FIG. 6C**

Information search
Trail-configuration information
Trail-accommodation table
Trail-effect search

**FIG. 6D**

Utility
Operation history
Download
Database-case-count display
NM-status display
Upload

FIG. 7

Network connection management test control

Object trail

Sapporo

~Obihiro

1.5M line

1

Search

Controlled apparatus

Sapporo	Sapporo	DAM #1	DAM	D001	UNIT 1	BLOCK 1	IF 1	6MOIF	Path 1	C21	CH 1
Hakodate	Hakodate	DAM #2	DAM	D002	UNIT 1	BLOCK 1	IF 1	6MOIF	Path 1	C21	CH 1
Obihiro	Obihiro	DAM #3	DAM	D003	UNIT 1	BLOCK 1	IF 1	6MOIF	Path 1	C21	CH 1

NE-OPS name

Sapporo ATEC #1

Apparatus type

DAM

BLOCK 1

CH 1

Station name

Sapporo

Apparatus ID

D0001

IF 1

6MOIF

Apparatus name

Sapporo DAM #1

UNIT 1

Path 1

C21

NE-OPS name

Hakodate ATEC #2

Apparatus type

DAM

BLOCK 1

CH 1

Station name

Hakodate

Apparatus ID

D0002

IF 1

6MOIF

Apparatus name

Hakodate DAM #2

UNIT 1

Path 1

C21

Execute

Close

## FIG. 8

Individual control		Path test		Utility		System select (O system)		Job end	
Path test control		Path configuration display							

Test path name				p** Maizuru P/O Reinan		VC-3		0201	
Maizuru P/O		OPU		Reinan		Direction #1		50M-TCM 011111-S04A04U3	
SYS		1		50MIF					
IF		1		50MIF					
HW		1		AU-3					
AU		1		AU-3					
Low speed		High speed		High speed		Low speed			

Reinan		OPU		Maizuru P/O		Direction #4		50M-TCM 011111-S04A04U3	
SYS		1		50MIF					
IF		1		50MIF					
HW		1		AU-3					
AU		1		AU-3					

High speed		Low speed	
------------	--	-----------	--

Measurement item		NO. errors		Measurement time		15 minutes		Measurement-result collection	
Measurement method		Automatic		Measurement period		10 s		Measurement-result collection	
Test start		Measurement start		Measurement end		Test end		Print measurement results	

Test date and time		NO. errors		Measurement item/result		Measurement time	
2000/01/28 16:13:10		*1		NO. errors 1.00%		00hours 00minutes 06seconds	
2000/01/28 16:13:16		32766		NO. errors 100.00%		00hours 00minutes 13seconds	
2000/01/28 16:13:17		*Overflow		NO. errors * %		00hours 00minutes 13seconds	
2000/01/28 16:13:19		*Overflow		NO. errors * %		00hours 00minutes 16seconds	
2000/01/28 16:13:26		0		NO. errors 0.00%		00hours 00minutes 22seconds	
2000/01/28 16:13:36		1		NO. errors 1.00%		00hours 00minutes 32seconds	

Measurement item		NO. errors		Measurement time		15 minutes		Measurement-result collection	
Measurement method		Automatic		Measurement period		10 s		Measurement-result collection	
Test start		Measurement start		Measurement end		Test end		Print measurement results	

Test date and time		NO. errors		Measurement item/result		Measurement time	
2000/01/28 16:13:06		0		NO. errors 0.00%		00hours 00minutes 03seconds	
2000/01/28 16:13:09		*0		NO. errors 0.00%		00hours 00minutes 06seconds	
2000/01/28 16:13:15		1		NO. errors 1.00%		00hours 00minutes 12seconds	
2000/01/28 16:13:16		*Overflow		NO. errors * %		00hours 00minutes 13seconds	
2000/01/28 16:13:19		*32766		NO. errors 100.00%		00hours 00minutes 16seconds	
2000/01/28 16:13:25		0		NO. errors 0.00%		00hours 00minutes 21seconds	

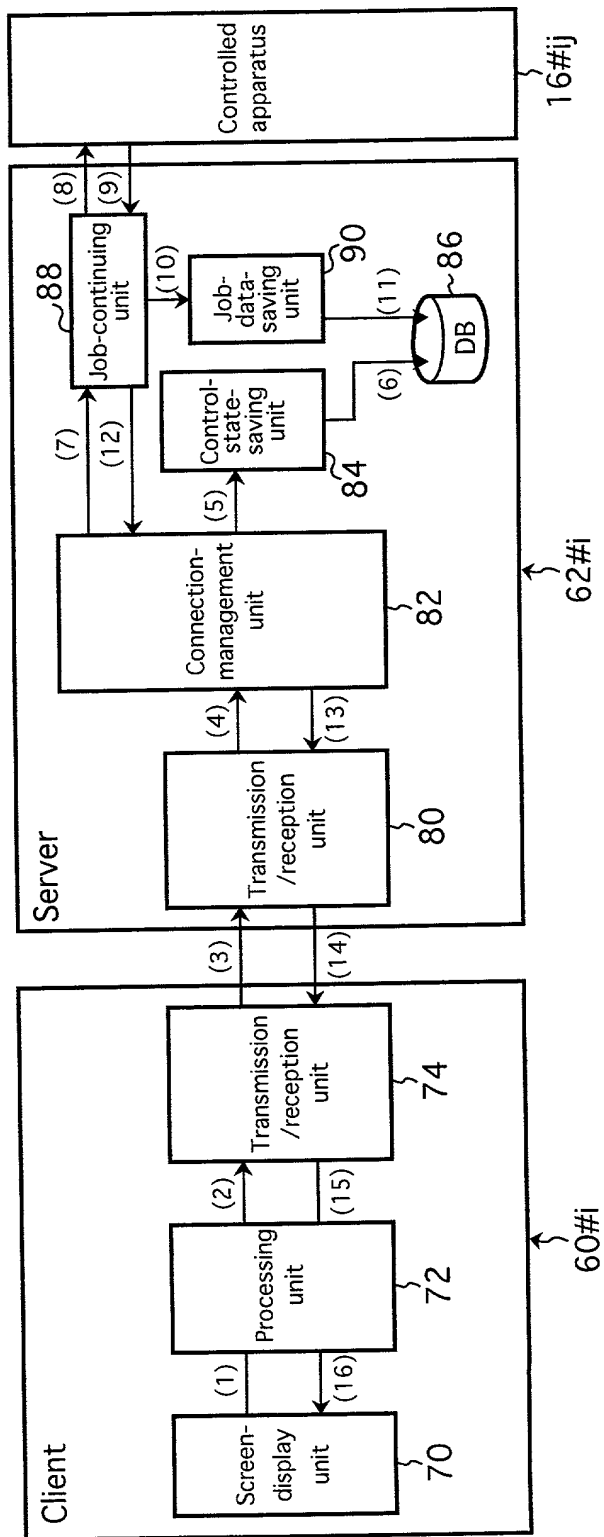
Measurement results were collected	
------------------------------------	--

Measurement results were collected	
------------------------------------	--

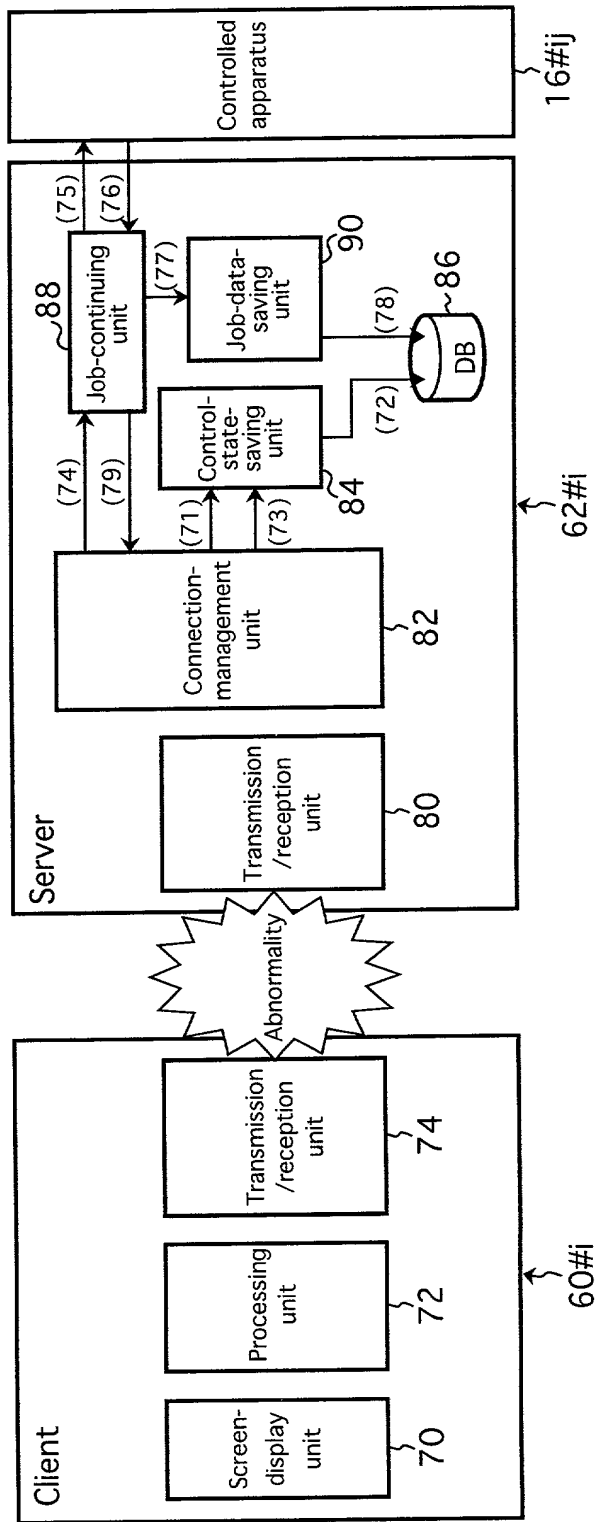


# FIG. 9

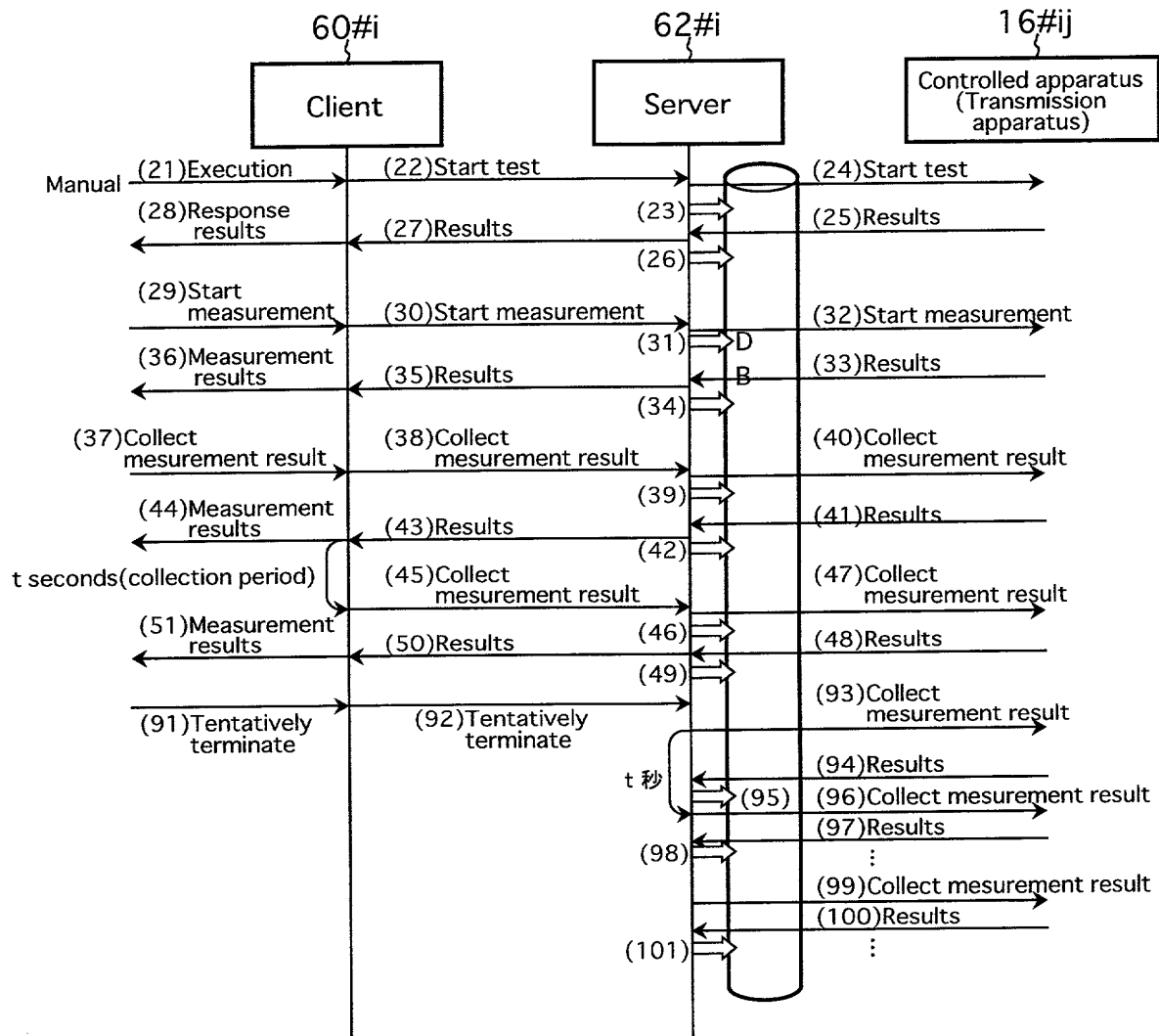




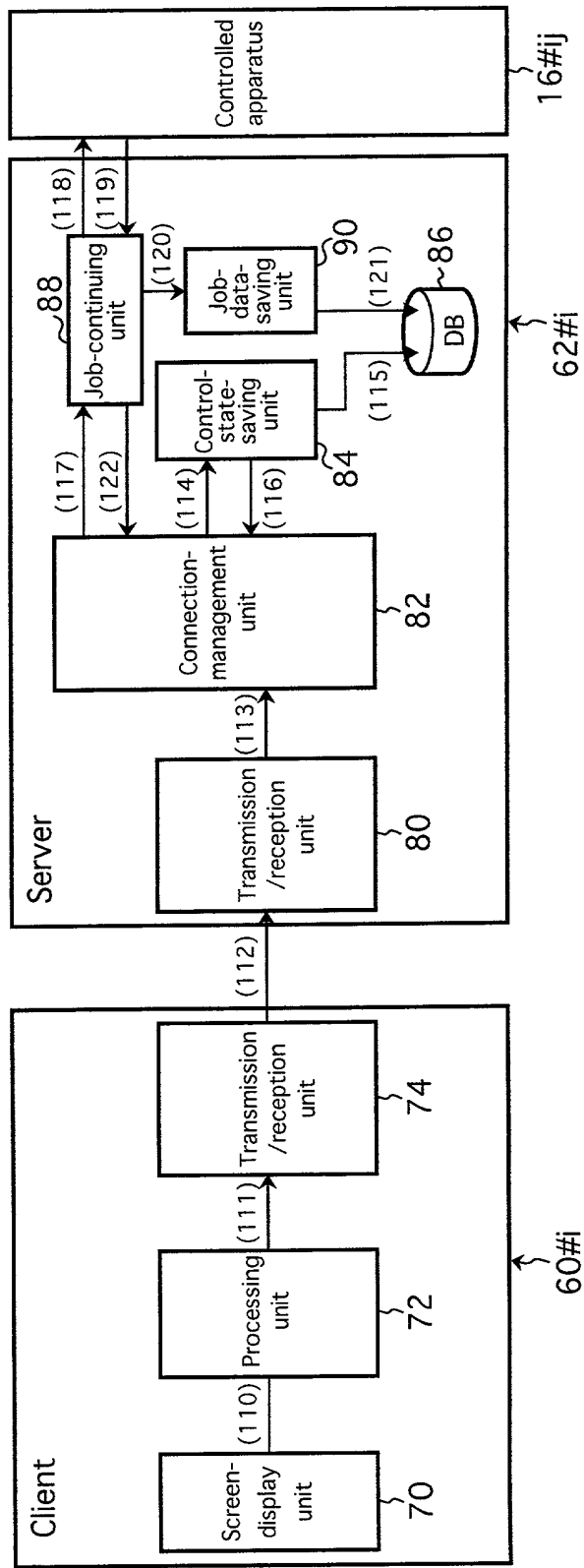
# FIG. 11



# FIG. 12



# FIG. 13



# FIG. 14

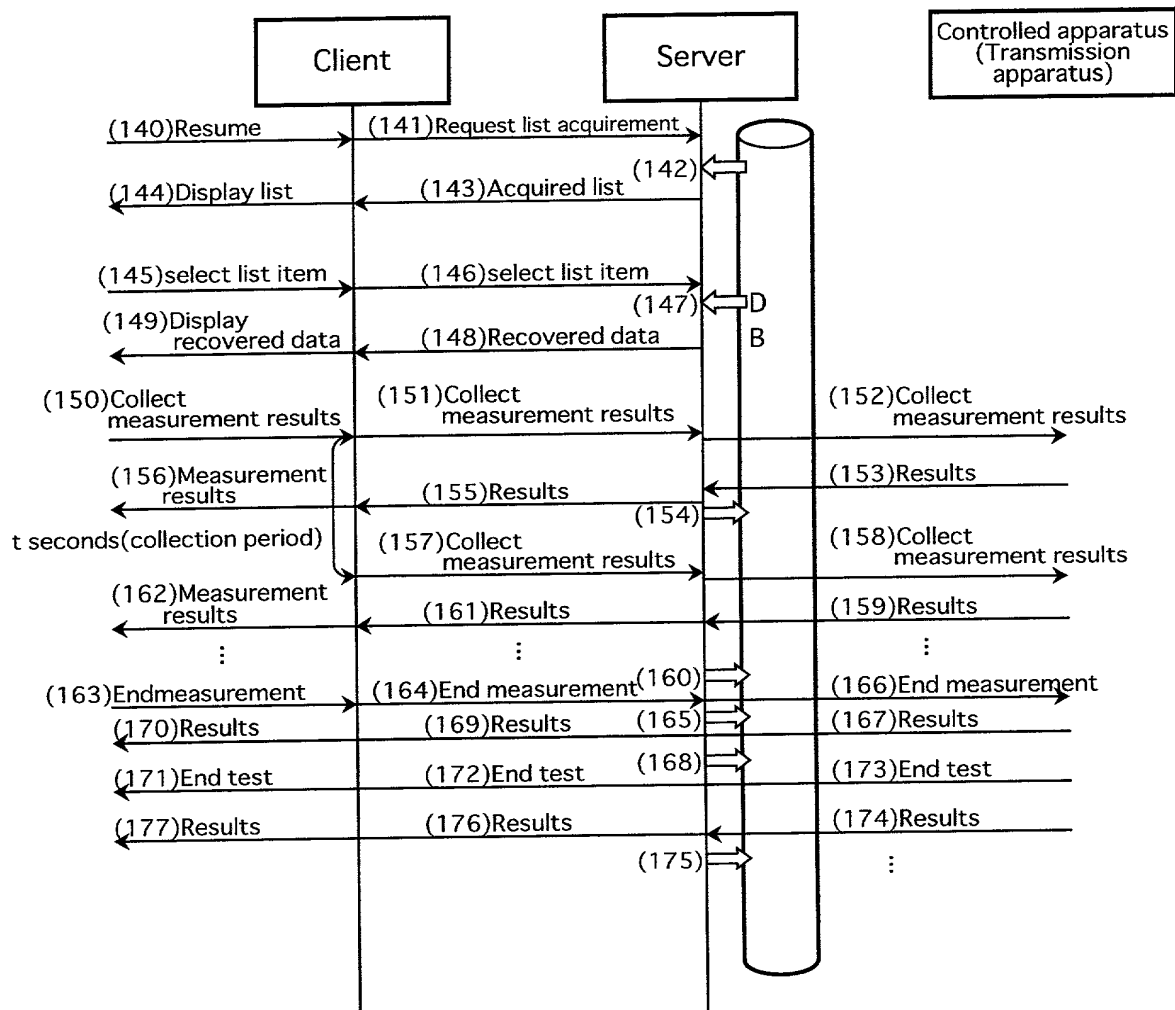
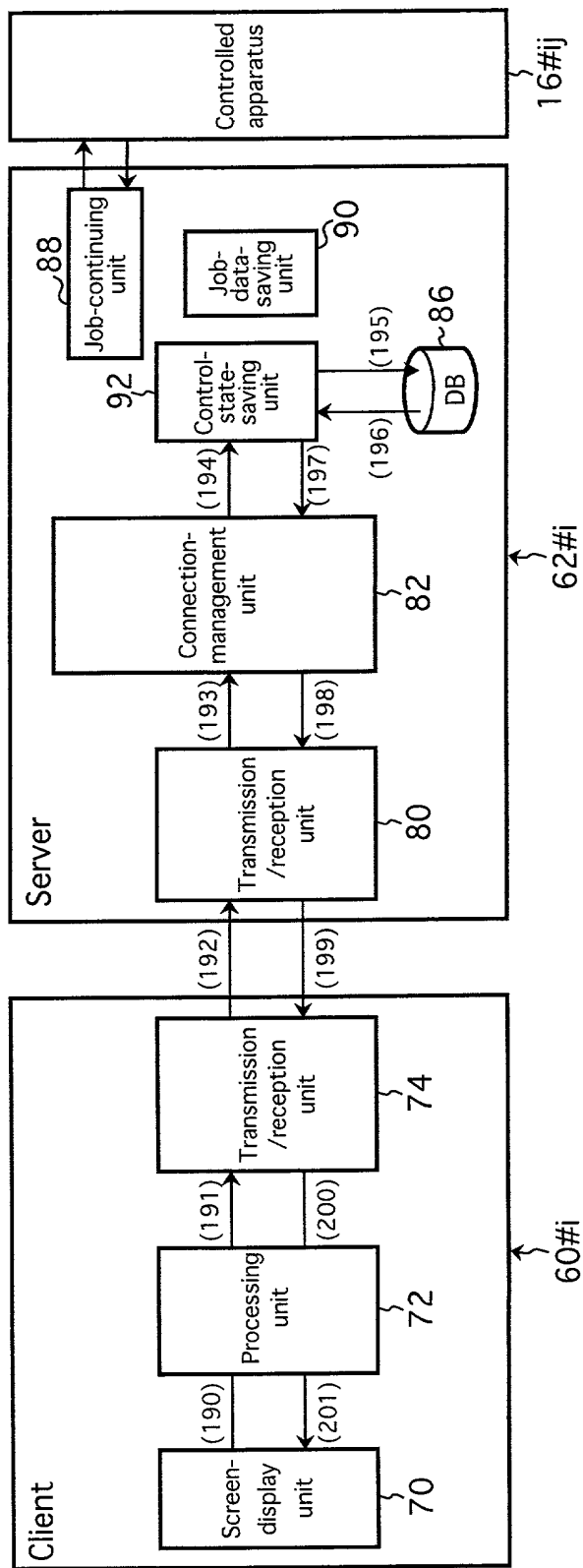


FIG. 15



# F I G. 1 6

Network connection management / tentative termination processing serch

Login ID

Function name

Apparatus type

F-600M

Search

Resume list

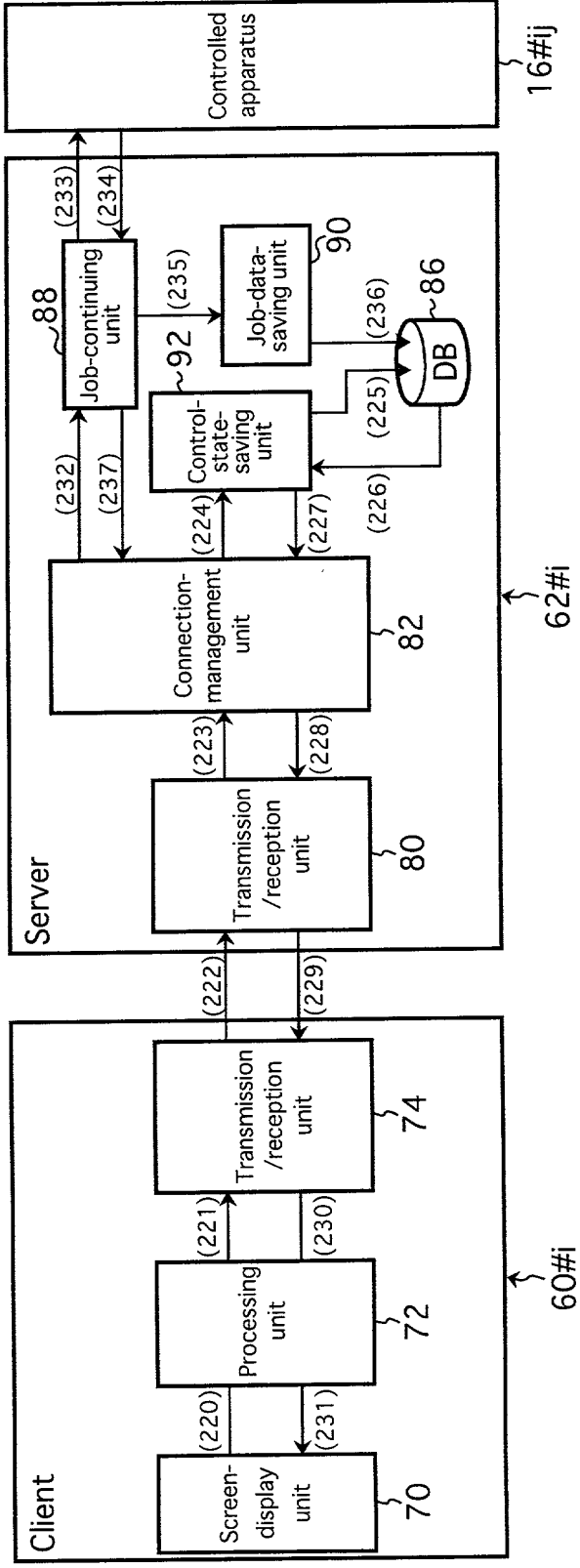
Resume date and name	Status
010101 Test control Sapporo F-600M SYS1 IF1 HW1	Resume request
010101 Test control Sapporo F-600M SYS3 IF1 HW1	Resume request
020101 Test control Hakodate F-600M SYS1 IF1 HW1	Resume request
020101 Test control Hakodate F-600M SYS4 IF1 HW1	Resume request
030101 Test control Obihiro F-600M SYS1 IF1 HW1	Resume request
030101 Test control Obihiro F-600M SYS5 IF1 HW1	Abnormal

Execute

Close



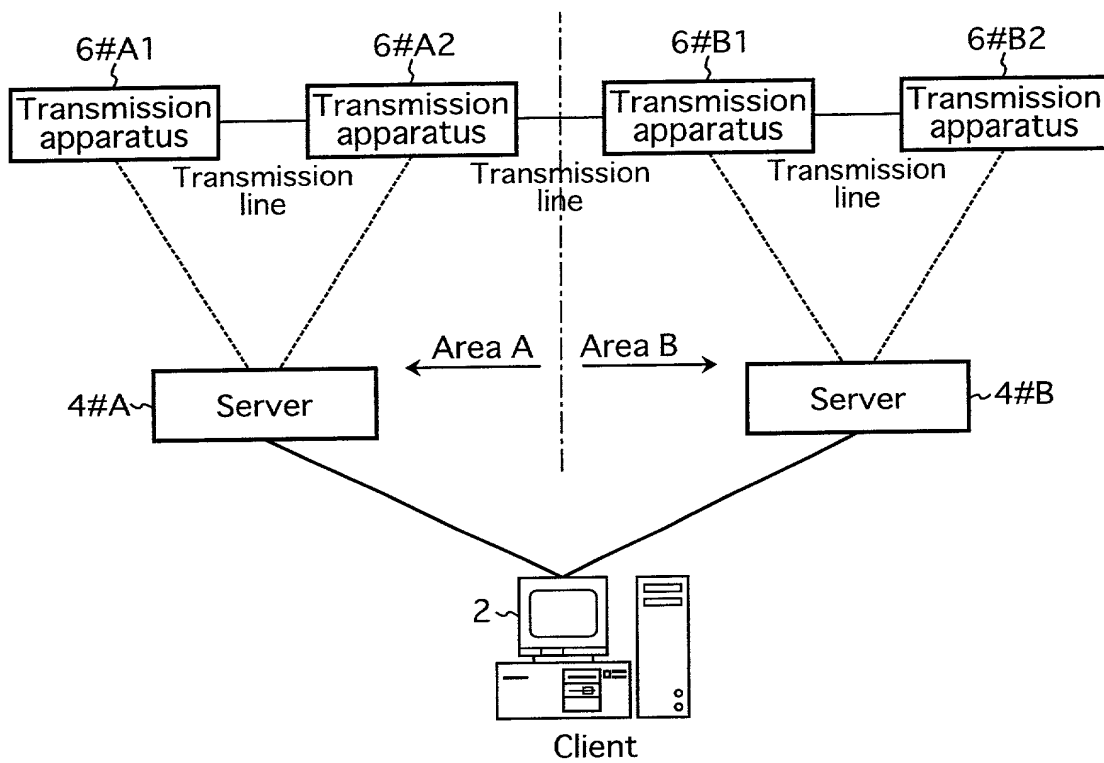
FIG. 17



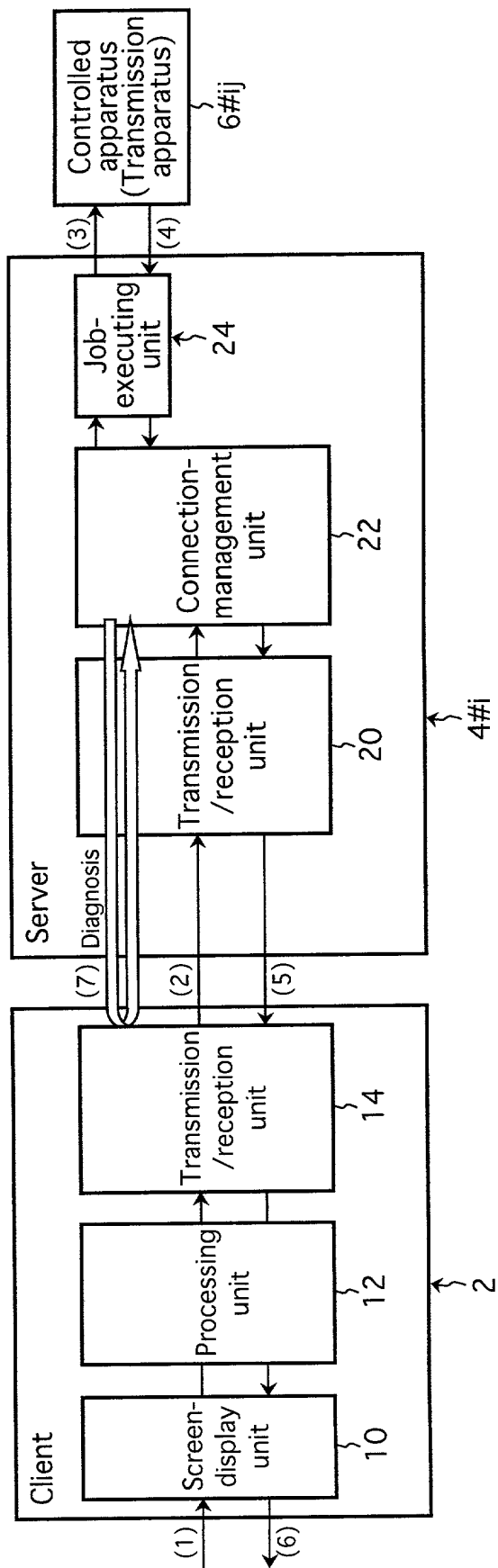
## FIG. 18

Individual control		Path test		Utility		System select (O system)		Job end	
Path test control		Path configuration display							
Test path name <b>p** Maizuru P/O Reinan VC-3 0201</b>									
Maizuru P/O		OPU	Reinan	Direction #1	50M-TCM 011111-S04A04U3		Direction #4	50M-TCM 011111-S04A04U3	
		SYS	1		50MIF				
		IF	1		50MIF				
		HW	1		AU-3				
		AU	1		AU-3				
Low speed		High speed			High speed		Low speed		
		INS			MON		DROP		
		LOOP			LOOP		INS		
Measurement item		NO. errors	Measurement time	15 minutes	Measurement item		NO. errors	Measurement time	15 minutes
Measurement method		Automatic	Measurement period	10 S	Measurement method		Automatic	Measurement period	10 S
Test start		Measurement start	Measurement end	Test end	Test start		Measurement start	Measurement end	Test end
Print measurement results					Print measurement results				
Test date and time		NO. errors	Measurement item/result	Measurement time	Test date and time		NO. errors	Measurement item/result	Measurement time
2000/01/28 16:13:06		0	NO. errors 0.00%	00hours 00minutes 03seconds	2000/01/28 16:13:10		*1	NO. errors 1.00%	00hours 00minutes 06seconds
2000/01/28 16:13:09		*0	NO. errors 0.00%	00hours 00minutes 06seconds	2000/01/28 16:13:16		32766	NO. errors 100.00%	00hours 00minutes 13seconds
2000/01/28 16:13:15		1	NO. errors 1.00%	00hours 00minutes 12seconds	2000/01/28 16:13:17		*Overflow	NO. errors * %	00hours 00minutes 13seconds
2000/01/28 16:13:16		*Overflow	NO. errors * %	00hours 00minutes 13seconds	2000/01/28 16:13:19		*Overflow	NO. errors * %	00hours 00minutes 16seconds
2000/01/28 16:13:19		*32766	NO. errors 100.00%	00hours 00minutes 16seconds	2000/01/28 16:13:26		0	NO. errors 0.00%	00hours 00minutes 22seconds
2000/01/28 16:13:25		0	NO. errors 0.00%	00hours 00minutes 21seconds	2000/01/28 16:13:36		1	NO. errors 1.00%	00hours 00minutes 32seconds
Measurement results were collected									

FIG. 19



# FIG. 20



# FIG. 21

